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10/814,944	03/30/2004	Jonathan J. Hull	20412-08454	8290

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EXAMINER

TRAN, MYLINH T

ART UNIT	PAPER NUMBER
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2179

NOTIFICATION DATE	DELIVERY MODE
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04/01/2010

ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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Office Action Summary	Application No. 10/814,944	Applicant(s) HULL ET AL.	
	Examiner MYLINH TRAN	Art Unit 2179	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 14 December 2009.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-3, 5-12, 14-17, 19-27, 29-31, 33-38 and 40-51 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-3, 5-12, 14-17, 19-27, 29-31, 33-38, 40-51 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Applicant's Amendment filed 12/14/2009 has been entered and carefully considered. Claims 1-2, 5-6, 8-11, 14-16, 20-25, 27, 29-31, 33-35, 37-38, 40-46 and 48-50 have been amended. However, the limitations of the amended claims have not been found to be patentable over prior newly discovered prior arts. Therefore, the claims (1-3, 5-12, 14-17, 19-27, 29-31, 33-38, 40-51) are rejected under the new ground of rejection as set forth below.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claims 1-3, 5-12, 14-17, 19-27, 29-31, 33-38, 40-51 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bozdagi et al. [6,647,535] in view of Yang et al. [US. 6,301,586].

As to claims 1 and 27, Bozdagi et al. teaches displaying a print dialog driver box to a user (column 12, lines 20-50); a user interface for receiving instruction from a user for controlling segmentation of video time-based media content (column 2, lines 8-13) for printing based on one or more features within the video time-based media content (column 2, lines 30-34), and the user interface comprising a content selection field displaying a graphical representation of the audio or video time-based media content (column 9, lines 50-65); the instructions from the user comprising selection of a segment of the representation of the video time-based media content (column 2, lines 42-55); and a media analysis module communicatively coupled to the user interface, the media analysis module analyzing features of the video time-based media content to extract the segment of the video time-based media content selected from the representation based at least in part on the instructions received from the user in the user interface (column 2, lines 43-55 and column 10, lines 47-64);

While Bozdagi et al. teach selection of a segment of the representation of the video time-based media content, Bozdagi et al. does not teach a media representation generation module for generating a printable representation of the video time-based media content based at least in part on the extracted

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segment of the video time-based media content; and an output device for printing the printable representation of the audio (or video time-based) media content to a tangible medium. Particularly, Bozdagi et al. does not expressly mention generating a printable representation of the video time-based media content. However, Yang et al. teach the printable representation of multiple albums of videos (figure 6, figure 12, figure 18); and an output device for printing the printable representation of the audio or video time based media content to a tangible medium (column 2, lines 14-15). Accordingly, it would have been obvious to one of ordinary skill in the art, at the time the invention was made, to have modified the printable representation of multiple the albums of Yang et al. to include the extracted segment of the video time-based content to achieve the claimed invention. One would be motivated to make such a combination is to provide an enhance graphical interface for the user to select printable options of a desired printable video clip; thus, to promote a business.

As to claim 2, Bozdagi et al. also teach the media analysis module further comprising content recognition software for recognizing the analyzed features in audio (or video time-based) the media content (column 5, lines 10-25).

As to claim 3, Bozdagi et al. teach processing logic for controlling display of the user interface (column 10, lines 1-16).

As to claim 5, Bozdagi et al. also teach hardware for writing a digital media representation of the audio (or video time-based) media content in digital format (column 3, lines 30-45).

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As to claim 6, Bozdagi et al. teach a storage medium for storing the digital representation of the audio (or video time-based) media content written in digital format (column 3, lines 45-64).

As to claims 7 and 48, Yang et al. teach the output device being configured to print to a paper format (column 16, lines 10-67). It would have been obvious to one of ordinary skill in the art, at the time the invention was made, to have modified the printable representation of multiple the albums of Yang et al. to include the extracted segment of the video time-based content to achieve the claimed invention. One would be motivated to make such a combination is to provide an enhance graphical interface for the user to select printable options of a desired printable video clip; thus, to promote a business.

As to claim 8, Bozdagi et al. teach the output device being configured to print at least one user-selectable identifier associated with the audio (or video time-based) media content (column 9, lines 1-22).

As to claim 9, Bozdagi et al. teach at least one barcode identifying the audio (or video time-based) media content in the printable representation (column 11, lines 10-30).

As to claims 10 and 44, Bozdagi et al. teach at least one play identifier that can be selected to play an associated audio (or video time-based) media content (column 10, lines 47-64).

As to claims 11 and 45, Bozdagi et al. teach a data structure for representing transformation of the audio (or video time-based) media content (column 10, lines 47-64).

As to claim 12, Bozdagi et al. teach a communication monitoring module for monitoring communication between the components of the system, wherein the communication monitoring module forwards requests for information and replies to requests among system components (figure 9).

As to claims 14 and 40, Bozdagi et al. teach a field for setting a threshold on confidence values associated with results of analyzing the features of the audio (or video time-based) media content (column 10, lines 23-50).

As to claims 15 and 42, Bozdagi et al. fail to clearly teach at least one field for managing and modifying display of media information in the printable representation of the media representation of the audio (or video time-based). However, Yang teaches the feature at figures 12, 18. It would have been obvious to one of ordinary skill in the art, at the time the invention was made, to have modified the printable representation of multiple the albums of Yang et al. to include the extracted segment of the video time-based content to achieve the claimed invention. One would be motivated to make such a combination is to provide an enhance graphical interface for the user to select printable options of a desired printable video clip; thus, to promote a business.

As to claims 16 and 41, Bozdagi et al. fail to clearly teach a preview field for previewing active media frames within selected audio (or video time-based)

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media content. However, Yang teaches the feature at figures 12, 18. It would have been obvious to one of ordinary skill in the art, at the time the invention was made, to have modified the printable representation of multiple the albums of Yang et al. to include the extracted segment of the video time-based content to achieve the claimed invention. One would be motivated to make such a combination is to provide an enhance graphical interface for the user to select printable options of a desired printable video clip; thus, to promote a business.

As to claim 17, Bozdagi et al. fail to clearly teach a preview field for previewing the printable representation generated by the media representation generation module. However, Yang teaches the feature at figures 12, 18. It would have been obvious to one of ordinary skill in the art, at the time the invention was made, to have modified the printable representation of multiple the albums of Yang et al. to include the extracted segment of the video time-based content to achieve the claimed invention. One would be motivated to make such a combination is to provide an enhance graphical interface for the user to select printable options of a desired printable video clip; thus, to promote a business.

As to claims 19 and 43, Bozdagi et al. fail to clearly teach a selector that a user can slide along the content selection field in order to select the segment. However, Yang teaches the feature in the abstract. It would have been obvious to one of ordinary skill in the art, at the time the invention was made, to have modified the printable representation of multiple the albums of Yang et al. to include the extracted segment of the video time-based content to achieve the

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claimed invention. One would be motivated to make such a combination is to provide an enhance graphical interface for the user to select printable options of a desired printable video clip; thus, to promote a business.

As to claim 20, Bozdagi et al. teach graphical representation of the audio (or video time-based) media content enables a user to view the media content and select segments of the audio (or video time-based) media content (column 10, lines 1-17).

As to claim 21, Bozdagi et al. teach an audio waveform timeline displaying audio content (column 9, lines 22-35).

As to claim 22, Bozdagi et al. teach a video timeline displaying video frames extracted from video content (column 9, lines 22-35).

As to claim 23, Bozdagi et al. also teach a video timeline displaying text extracted from video content (column 9, lines 22-35).

As to claim 24, Bozdagi et al. teach a field for displaying the results of analyzing the audio (or video time-based) media content, the results of being displayed as defined segments along a timeline (column 9, lines 22-49).

As to claim 25, Bozdagi et al. fail to clearly teach an output device driver module for driving the audio (or video time-based) media content analysis and the media representation generation, the output device driver module being communicatively coupled to the user interface to receive user instructions.

However, Yang teaches the features at column 14, lines 53-67. It would have been obvious to one of ordinary skill in the art, at the time the invention was

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made, to have modified the printable representation of multiple the albums of Yang et al. to include the extracted segment of the video time-based content to achieve the claimed invention. One would be motivated to make such a combination is to provide an enhance graphical interface for the user to select printable options of a desired printable video clip; thus, to promote a business.

As to claim 26, Bozdagi et al. fail to an augmented output device for generating a media representation, the augmented output device being communicatively coupled to the media analysis software module to receive transformed media data, the augmented output device being communicatively coupled to the output device driver module to receive instructions for media representation generation. However, Yang teaches the features at column 14, line 53 through column 15, line 15. It would have been obvious to one of ordinary skill in the art, at the time the invention was made, to have modified the printable representation of multiple the albums of Yang et al. to include the extracted segment of the video time-based content to achieve the claimed invention. One would be motivated to make such a combination is to provide an enhance graphical interface for the user to select printable options of a desired printable video clip; thus, to promote a business.

As to claim 29, Bozdagi et al. teach a real time video system with a speaker can be represented (column 6, lines 47-65). It would have been obvious that performing speech recognition on the video time-based media data was well known in the art. One would be motivated to make such a combination is to

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provide an enhance graphical interface for the user to select printable options of a desired printable video clip; thus, to promote a business.

As to claim 30, Bozdagi et al. teach a real time video system with closed-caption information containing special character (column 6, lines 47-65).

It would have been obvious that performing the optical character recognition on the audio (or video time-based) media data was well known in the art. One would be motivated to make such a combination is to provide an enhance graphical interface for the user to select printable options of a desired printable video clip; thus, to promote a business.

As to claims 31 and 34, Bozdagi et al. teach a real time video system with closed-caption information containing special character and a speaker (column 6, lines 47-65). It would have been obvious that performing face recognition on the audio (or video time-based) media data was well known in the art. One would be motivated to make such a combination is to provide an enhance graphical interface for the user to select printable options of a desired printable video clip; thus, to promote a business.

As to claim 33, Bozdagi et al. teach a real time video system with a speaker can be represented (column 6, lines 47-65). It would have been obvious that performing speaker detection on the audio (or video time-based) media data was well known in the art. One would be motivated to make such a combination is to provide an enhance graphical interface for the user to select printable options of a desired printable video clip; thus, to promote a business.

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As to claim 35, Bozdagi et al. teach a real time video system with a speaker can be represented (column 6, lines 47-65). It would have been obvious that performing event detection on the audio (or video time-based) media data was well known in the art. One would be motivated to make such a combination is to provide an enhance graphical interface for the user to select printable options of a desired printable video clip; thus, to promote a business

As to claims 36 and 46-47, Bozdagi et al. fail to teach adding a print function to a media rendering application for printing a media representation. However, Yang teaches the features at column 14, line 53 through column 15, line 15. It would have been obvious to one of ordinary skill in the art, at the time the invention was made, to have modified the printable representation of multiple the albums of Yang et al. to include the extracted segment of the video time-based content to achieve the claimed invention. One would be motivated to make such a combination is to provide an enhance graphical interface for the user to select printable options of a desired printable video clip; thus, to promote a business.

As to claim 37, Bozdagi et al. fail to teach storing the audio (or video time-based) media content on a storage medium that is accessible to augmented output device. However, Yang teaches the features at column 4, lines 55-67. It would have been obvious to one of ordinary skill in the art, at the time the invention was made, to have modified the printable representation of multiple the albums of Yang et al. to include the extracted segment of the video time-

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based content to achieve the claimed invention. One would be motivated to make such a combination is to provide an enhance graphical interface for the user to select printable options of a desired printable video clip; thus, to promote a business.

As to claim 38, Bozdagi et al. fail to teach the print dialog box further displaying audio (or video time-based) media content formatting options to a user.

However, Yang teaches the feature at figures 12, 16. It would have been obvious to one of ordinary skill in the art, at the time the invention was made, to have modified the printable representation of multiple the albums of Yang et al. to include the extracted segment of the video time-based content to achieve the claimed invention. One would be motivated to make such a combination is to provide an enhance graphical interface for the user to select printable options of a desired printable video clip; thus, to promote a business.

As to claims 49-50, Bozdagi et al. fail to clearly teach one or more timelines and an option to specify a number of timelines displayed per page. However, while Yang teaches a graphical representation comprising an option to specify a number of Pictures (album frame) displayed per page, the graphical representation comprising an option to specify a number of timeline displayed per page was well known in the art. It would have been obvious to one of ordinary skill in the art, at the time the invention was made, to have modified the printable representation of multiple the albums of Yang et al. to include the extracted segment of the video time-based content to achieve the claimed

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invention. One would be motivated to make such a combination is to provide an enhance graphical interface for the user to select printable options of a desired printable video clip; thus, to promote a business.

As to claim 51, Bozdagi fails to clearly teach an edit segment option to edit a length of the defined segment. However, while Yang teaches a graphical representation comprising an option to specify a number of Pictures (album frame) displayed per page; thus specify a length of picture per page, the graphical representation comprising an option to specify a number of timeline displayed per page was well known in the art. It would have been obvious to one of ordinary skill in the art, at the time the invention was made, to have modified the printable representation of multiple the albums of Yang et al. to include the extracted segment of the video time-based content to achieve the claimed invention. One would be motivated to make such a combination is to provide an enhance graphical interface for the user to select printable options of a desired printable video clip; thus, to promote a business.

Response to Arguments

Applicant's arguments with respect to claims 1-3, 5-12, 14-17, 19-27, 29-31, 33-38, 40-51 have been considered but are moot in view of the new ground of rejection.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mylinh Tran. The examiner can normally be reached on Mon - Thu from 7:00AM to 3:00PM at 571-272-4141.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Weilun Lo, can be reached at 571-272-4847.

The fax phone numbers for the organization where this application or proceeding is assigned are as follows:

571-273-8300

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Mylinh Tran

Art Unit 2179

/Weilun Lo/

Supervisory Patent Examiner, Art Unit 2179